PLEASE DO NOT REMOVE

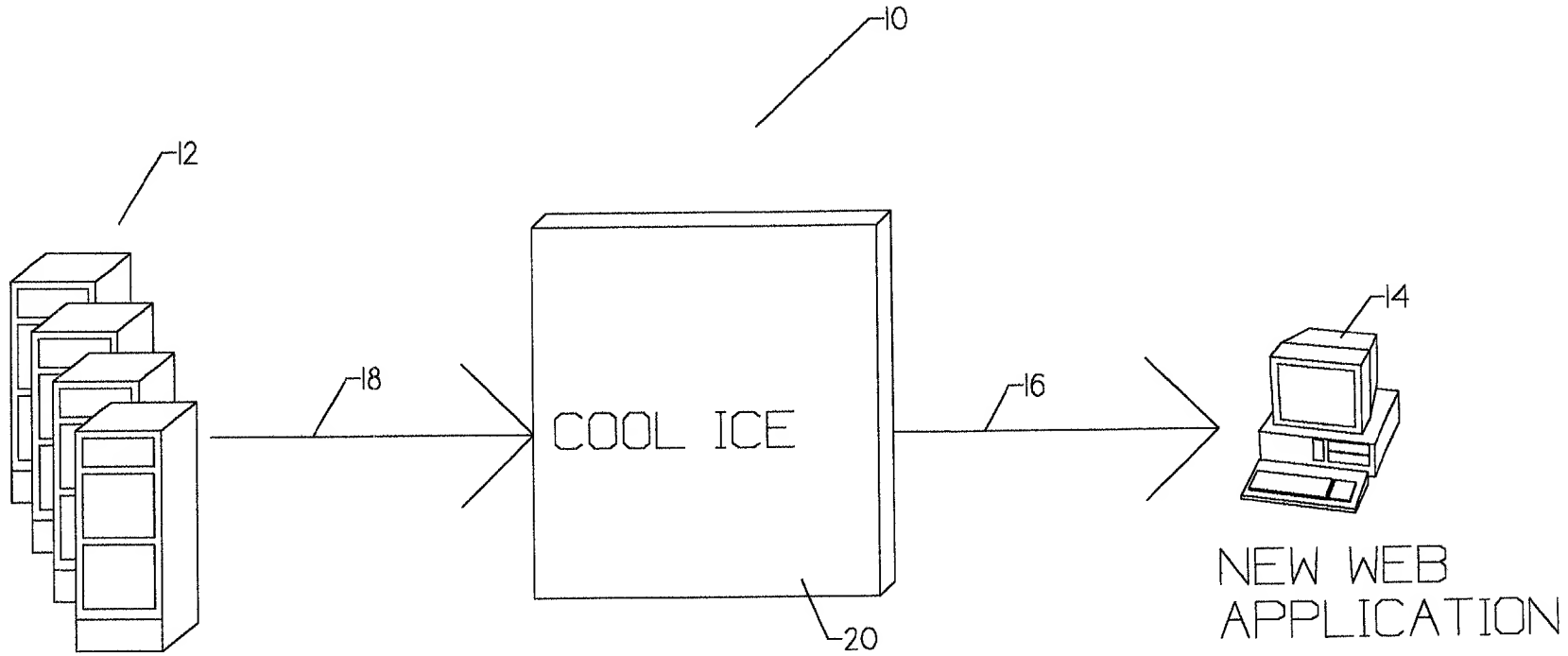

FIG. 1

REPLACEMENT SHEET

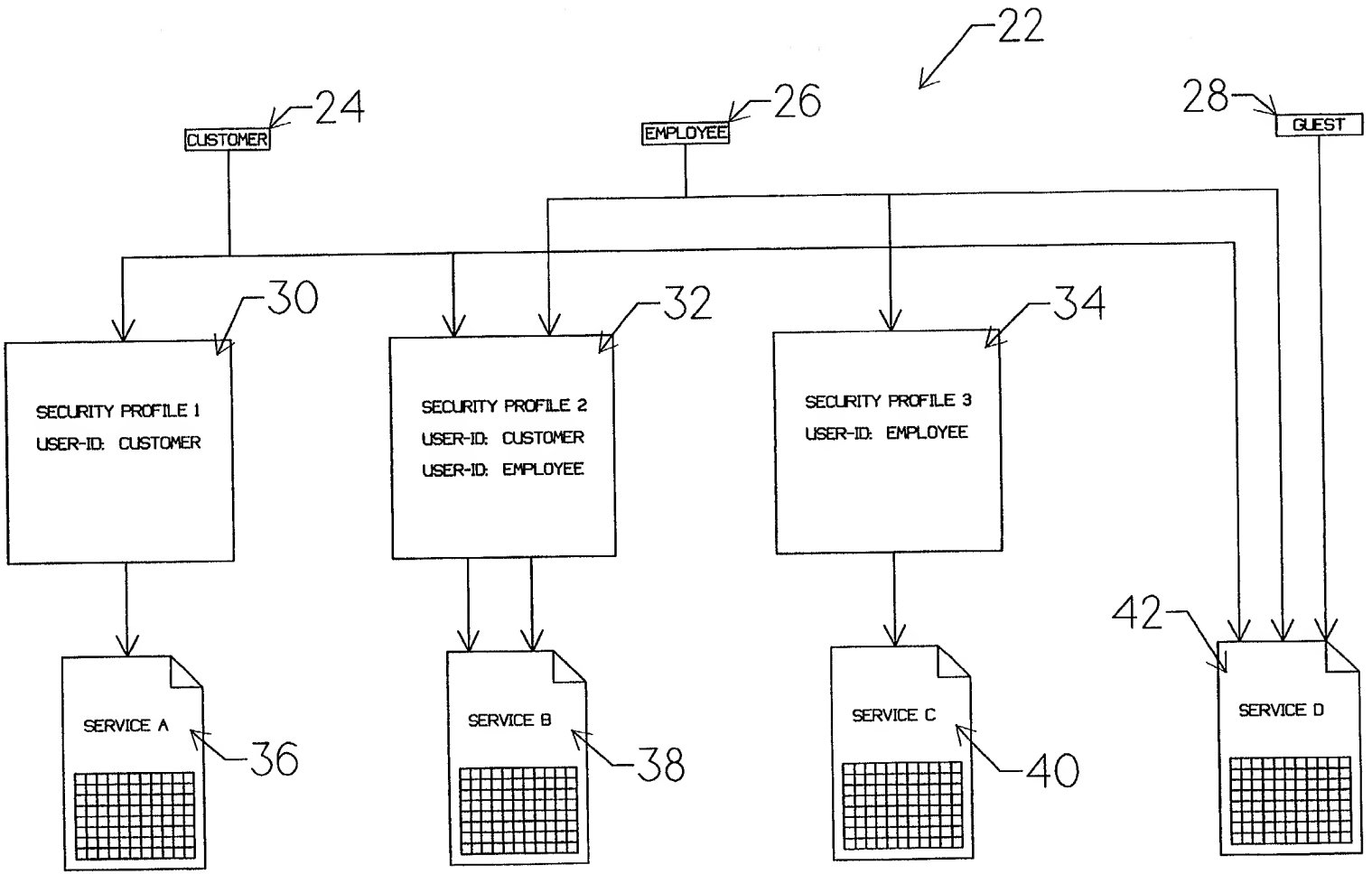

FIG. 2

REPLACEMENT SHEET

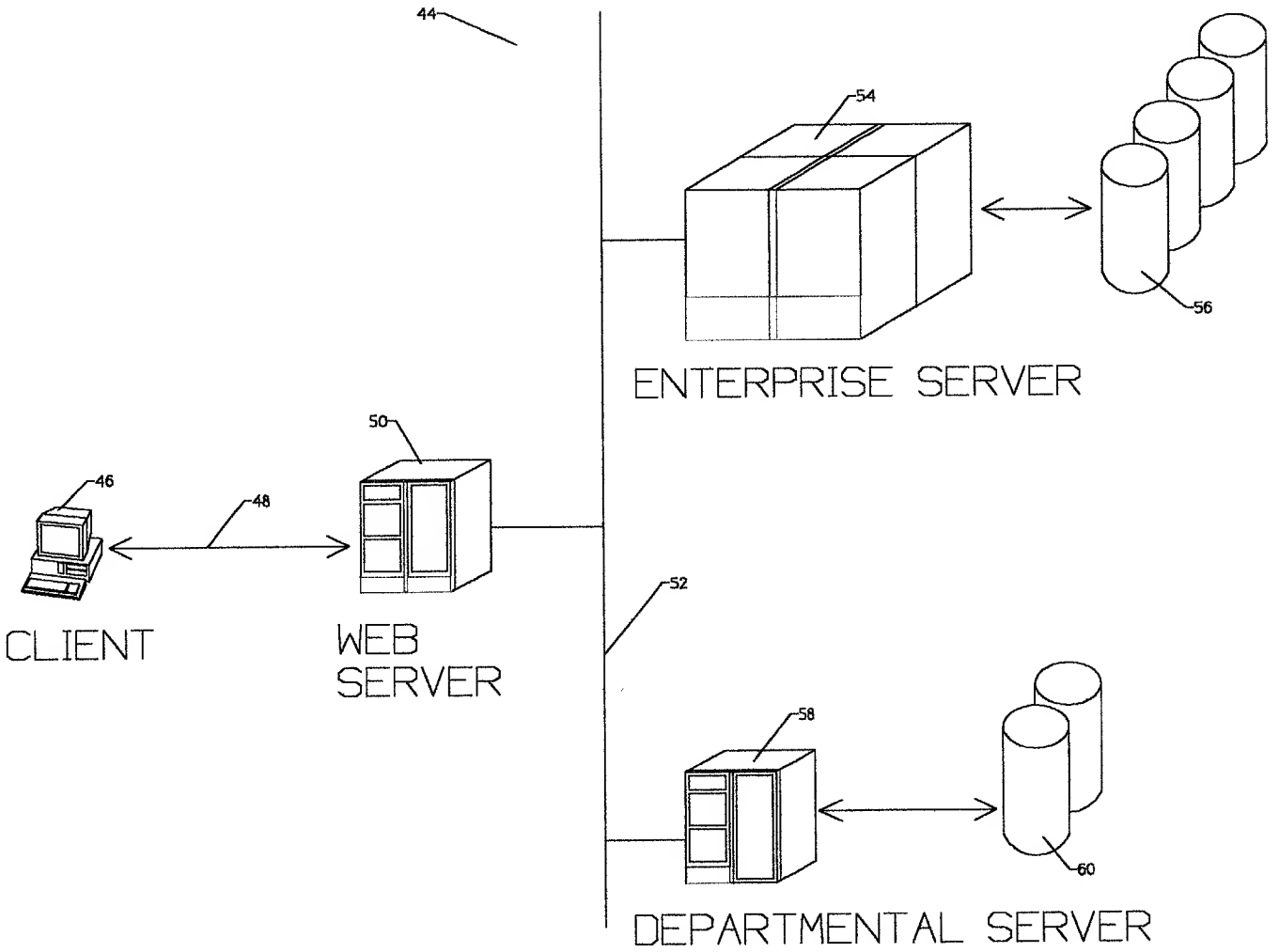

FIG. 3

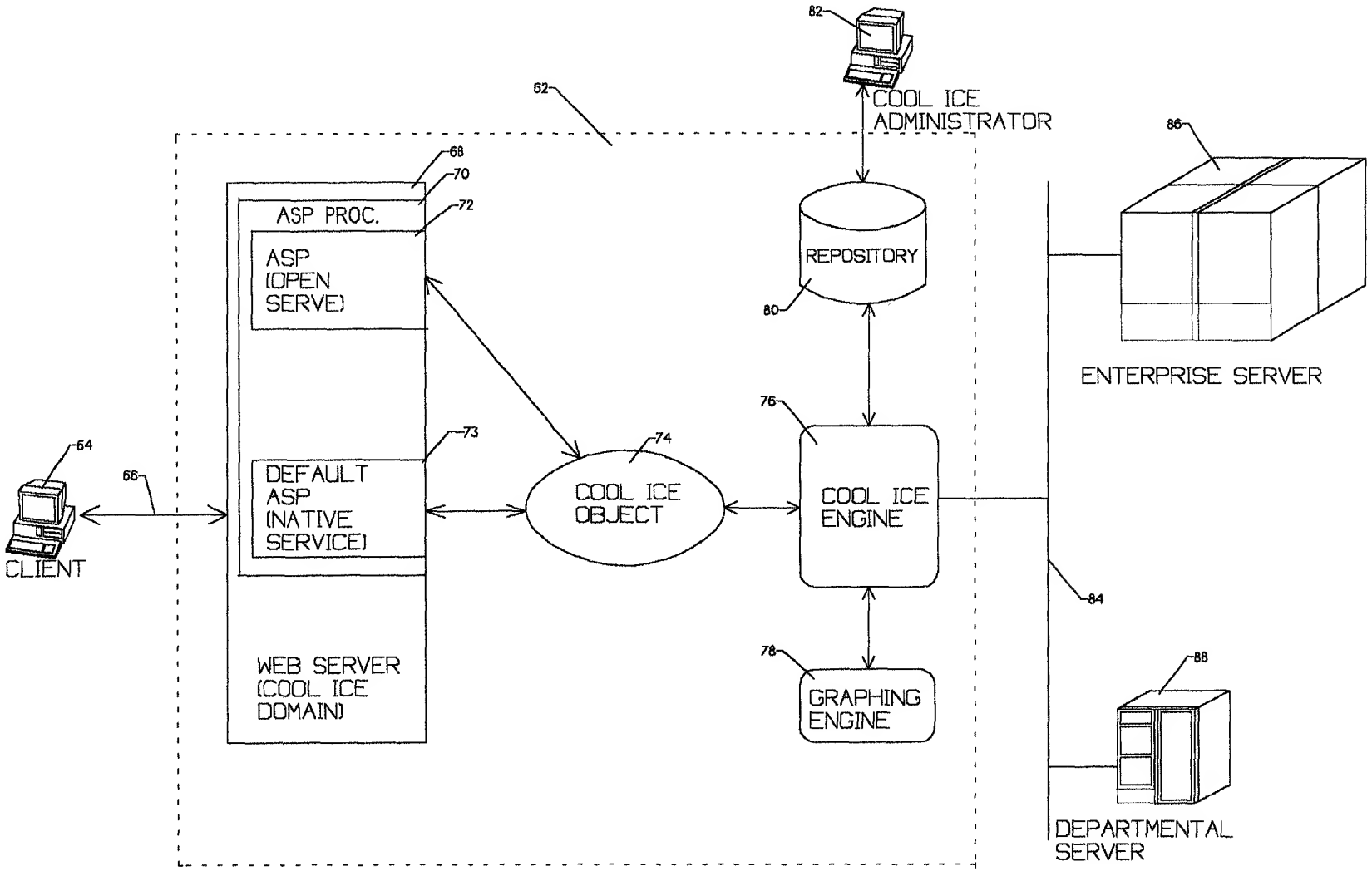
82
COOL ICE ADMINISTRATOR
62
68
70
72
ASP PROC.
ASP (OPEN SERVE)
REPOSITORY
80
86
ENTERPRISE SERVER
64
66
73
74
76
DEFAULT ASP (NATIVE SERVICE)
COOL ICE OBJECT
COOL ICE ENGINE
CLIENT
84
78
88
WEB SERVER (COOL ICE DOMAIN)
GRAPHING ENGINE
DEPARTMENTAL SERVER

FIG. 4

Docket 5100.020 Express Mail

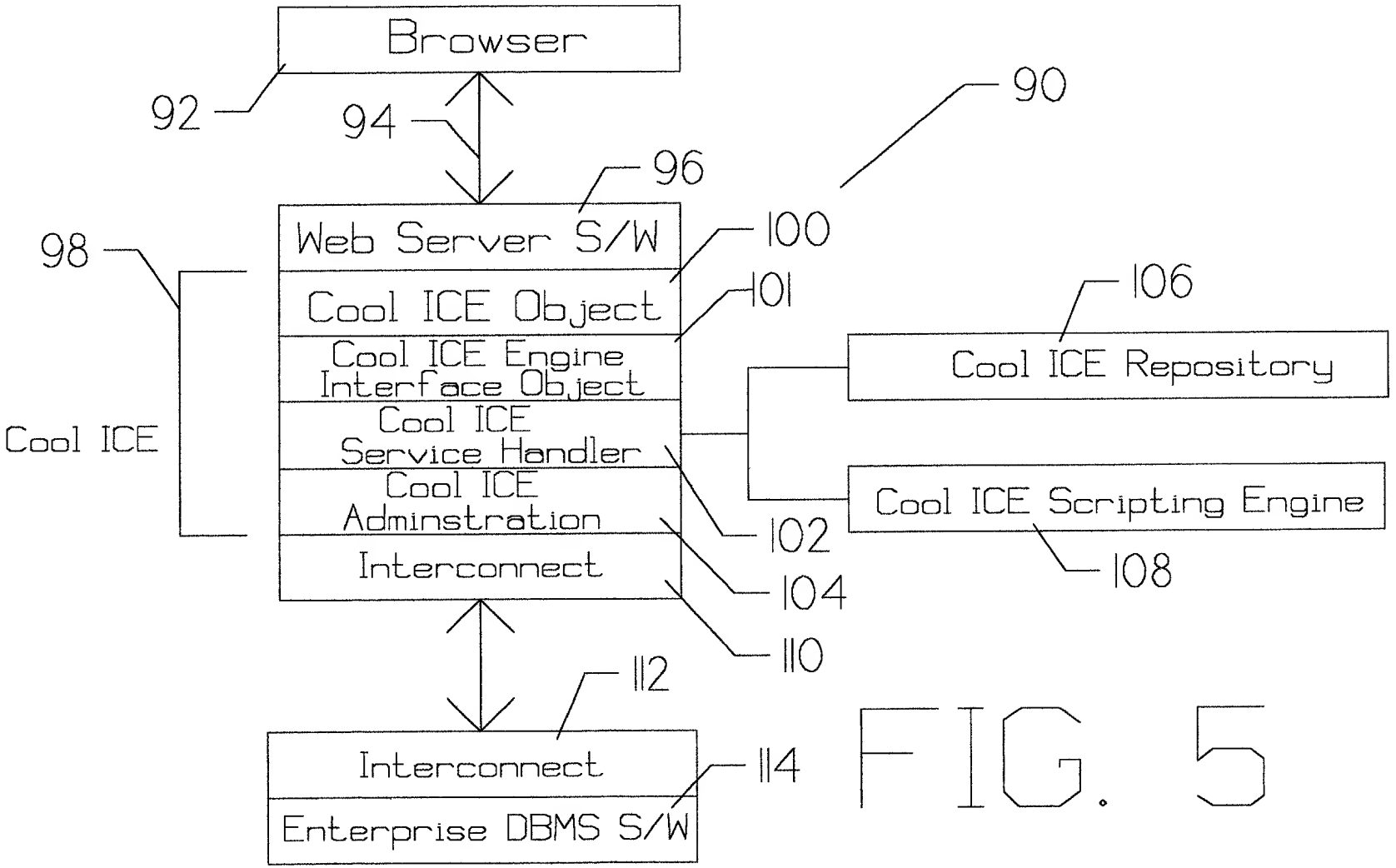

FIG. 5

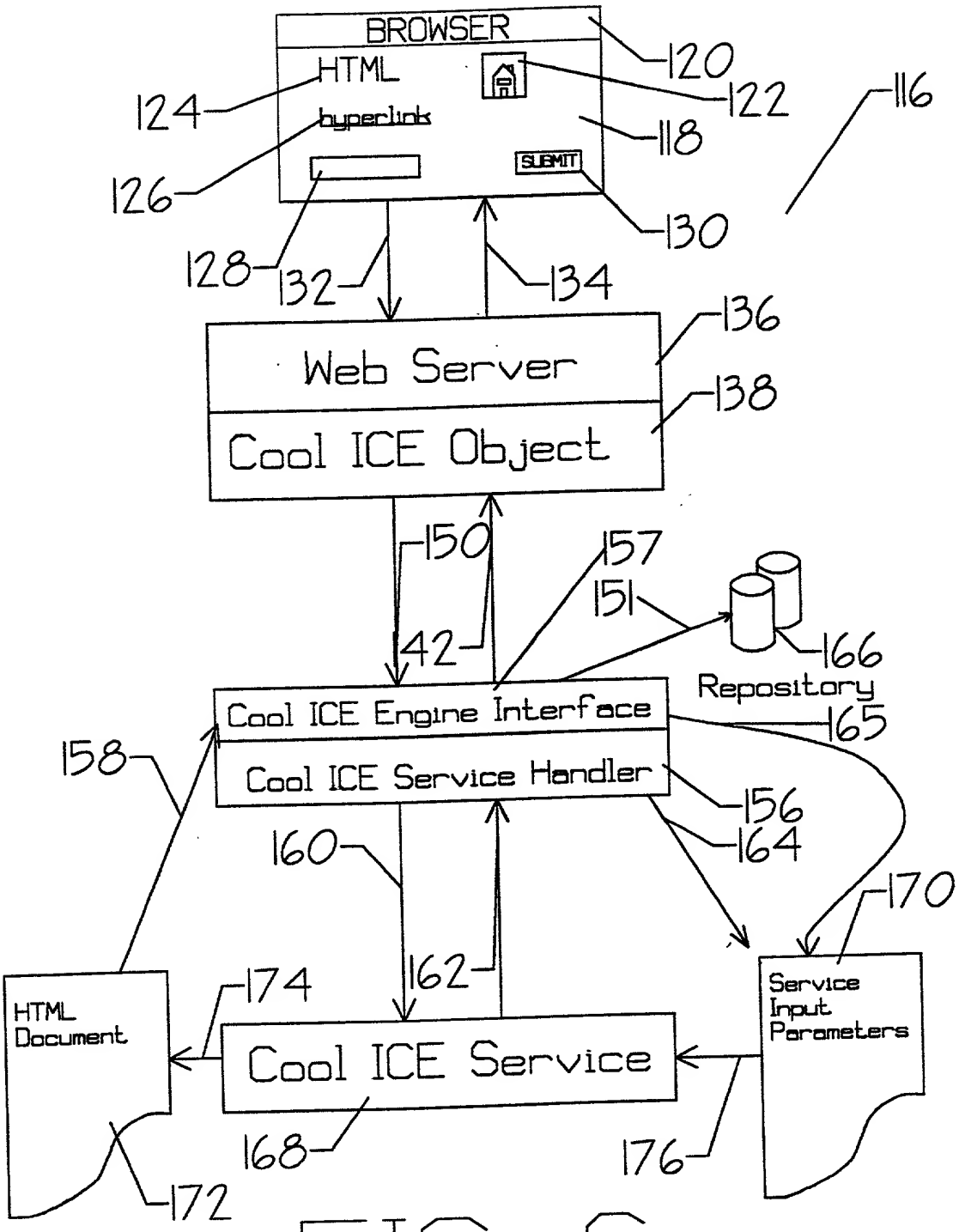
BROWSER
HTML
hyperlinks
SUBMIT
120
122
124
116
118
126
130
128
132
134
Web Server
136
Cool ICE Object
138
150
157
151
42
166
Repository
Cool ICE Engine Interface
165
158
Cool ICE Service Handler
156
164
160
170
162
174
HTML Document
Service Input Parameters
Cool ICE Service
168
176
172

FIG. 6

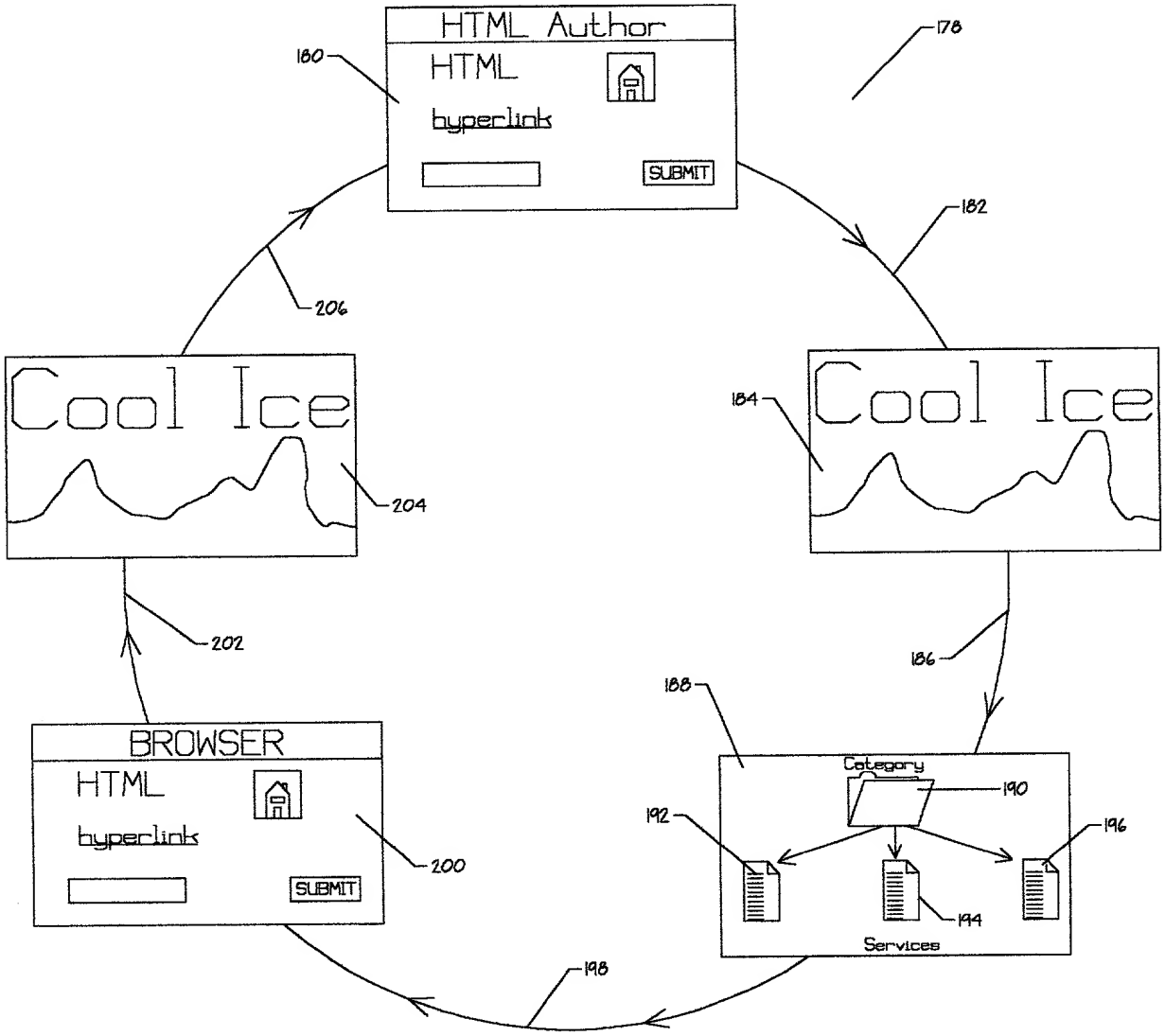
HTML Author
HTML
hyperlink
SUBMIT
178
180
182
206
Cool Ice
204
Cool Ice
184
202
186
188
BROWSER
HTML
hyperlink
SUBMIT
200
Category
190
192
196
194
Services
198

FIG. 7

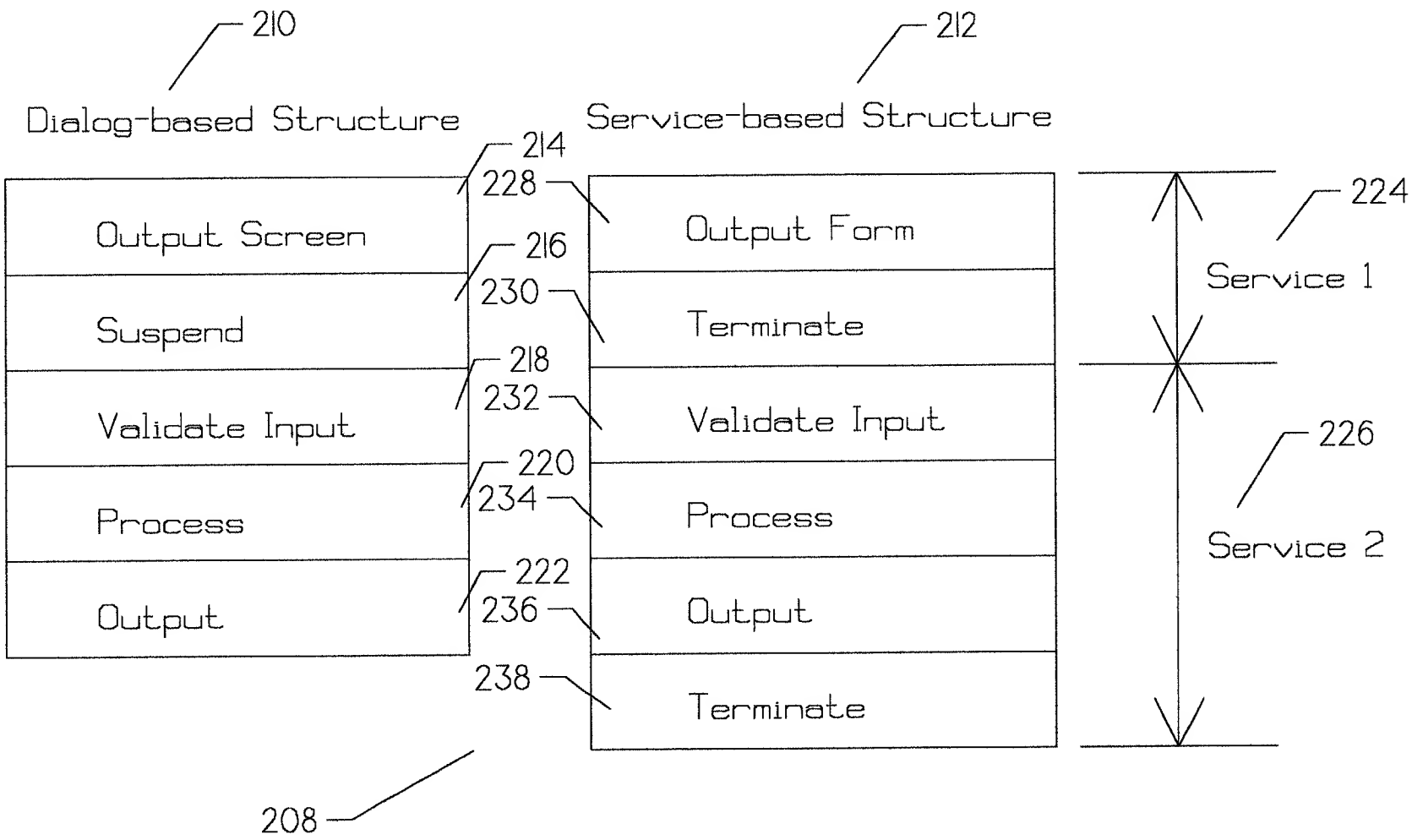
210
Dialog-based Structure
212
Service-based Structure
214
228
216
230
218
232
220
234
222
236
238
Output Screen
Suspend
Validate Input
Process
Output
Output Form
Terminate
Validate Input
Process
Output
Terminate
224
Service 1
226
Service 2
208

FIG. 8

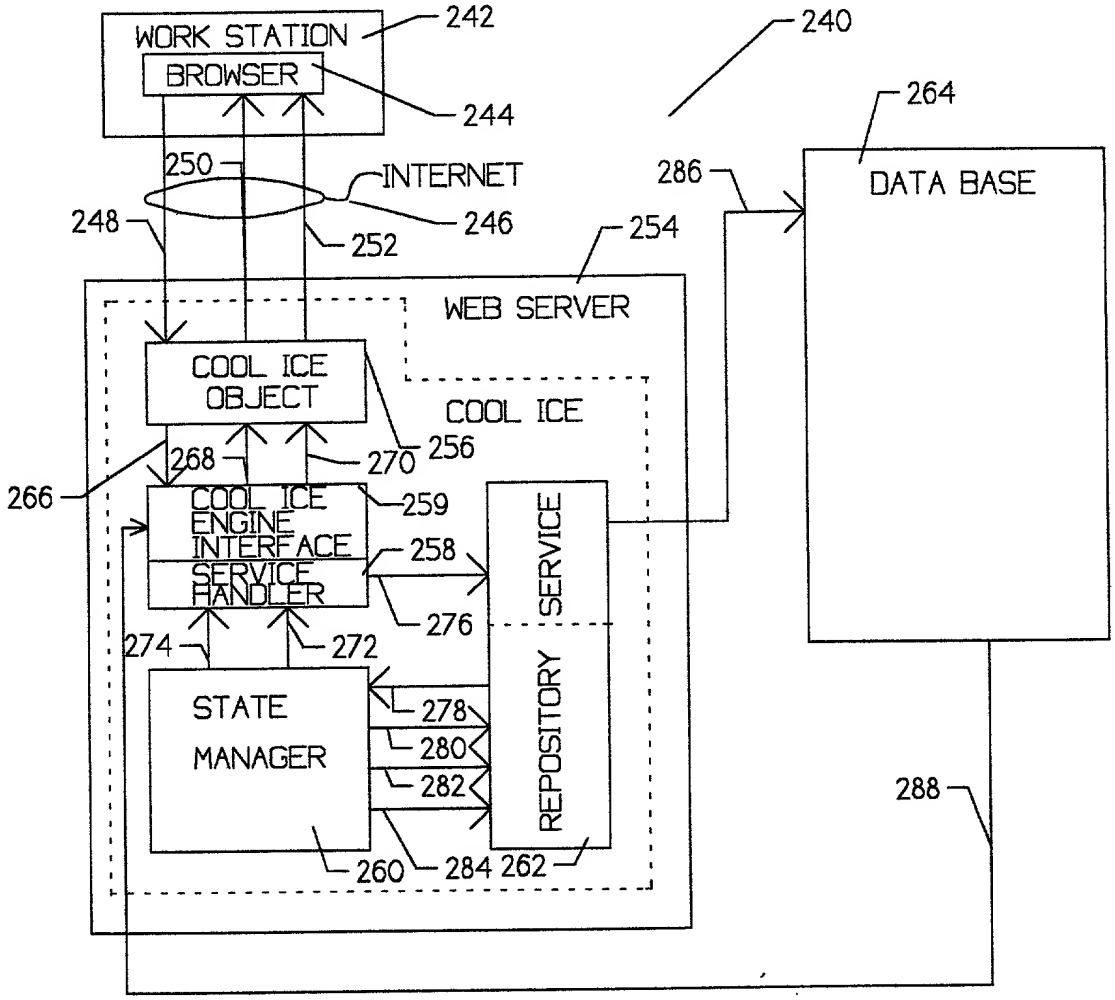
WORK STATION
242
BROWSER
244
240
264
DATA BASE
286
250
INTERNET
246
248
252
254
WEB SERVER
COOL ICE OBJECT
COOL ICE
256
268
270
266
COOL ICE ENGINE INTERFACE
259
SERVICE HANDLER
258
276
SERVICE
REPOSITORY
274
272
STATE MANAGER
278
280
282
288
260
284
262

FIG. 9

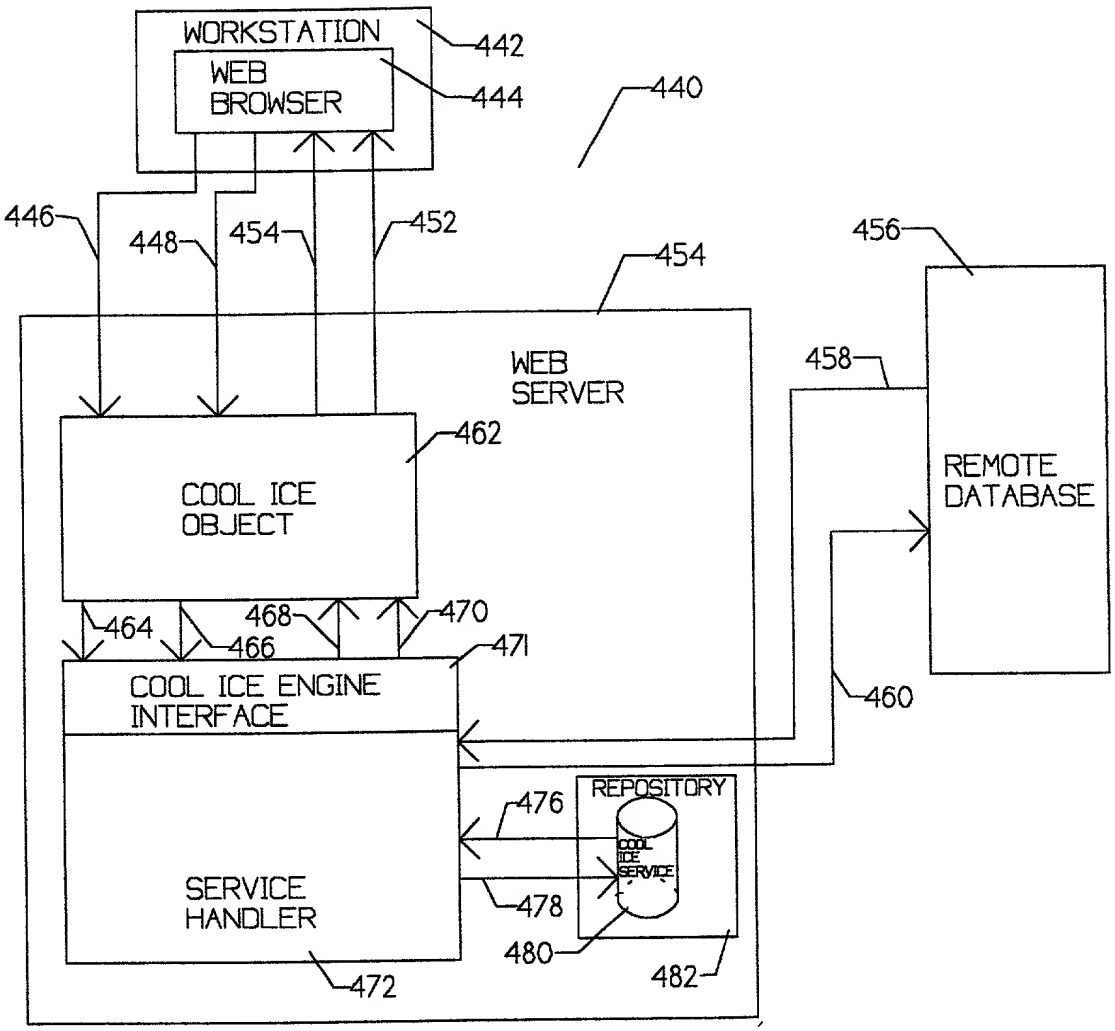
WORKSTATION
442
WEB
BROWSER
444
440
446
448
454
452
456
454
WEB
SERVER
458
462
COOL ICE
OBJECT
REMOTE
DATABASE
464
468
470
466
471
COOL ICE ENGINE
INTERFACE
460
REPOSITORY
476
COOL
ICE
SERVICE
SERVICE
HANDLER
478
480
482
472

FIG. 10

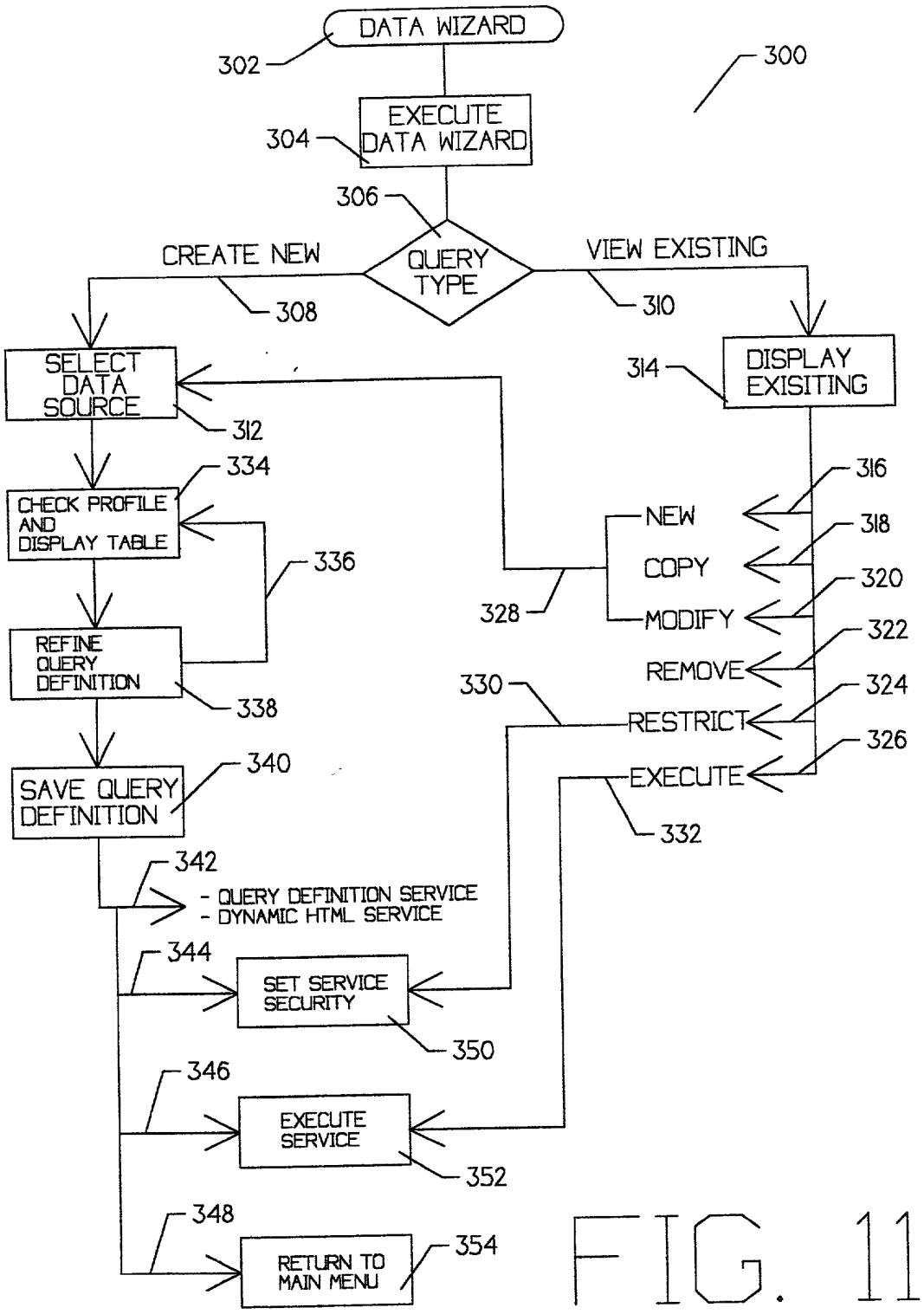
DATA WIZARD
302
300
EXECUTE DATA WIZARD
304
306
QUERY TYPE
CREATE NEW
308
VIEW EXISTING
310
SELECT DATA SOURCE
312
DISPLAY EXISITING
314
CHECK PROFILE AND DISPLAY TABLE
334
336
REFINE QUERY DEFINITION
338
SAVE QUERY DEFINITION
340
NEW
316
COPY
318
MODIFY
320
328
REMOVE
322
RESTRICT
324
EXECUTE
326
330
332
342
- QUERY DEFINITION SERVICE
- DYNAMIC HTML SERVICE
344
SET SERVICE SECURITY
350
346
EXECUTE SERVICE
352
348
RETURN TO MAIN MENU
354

FIG. 11

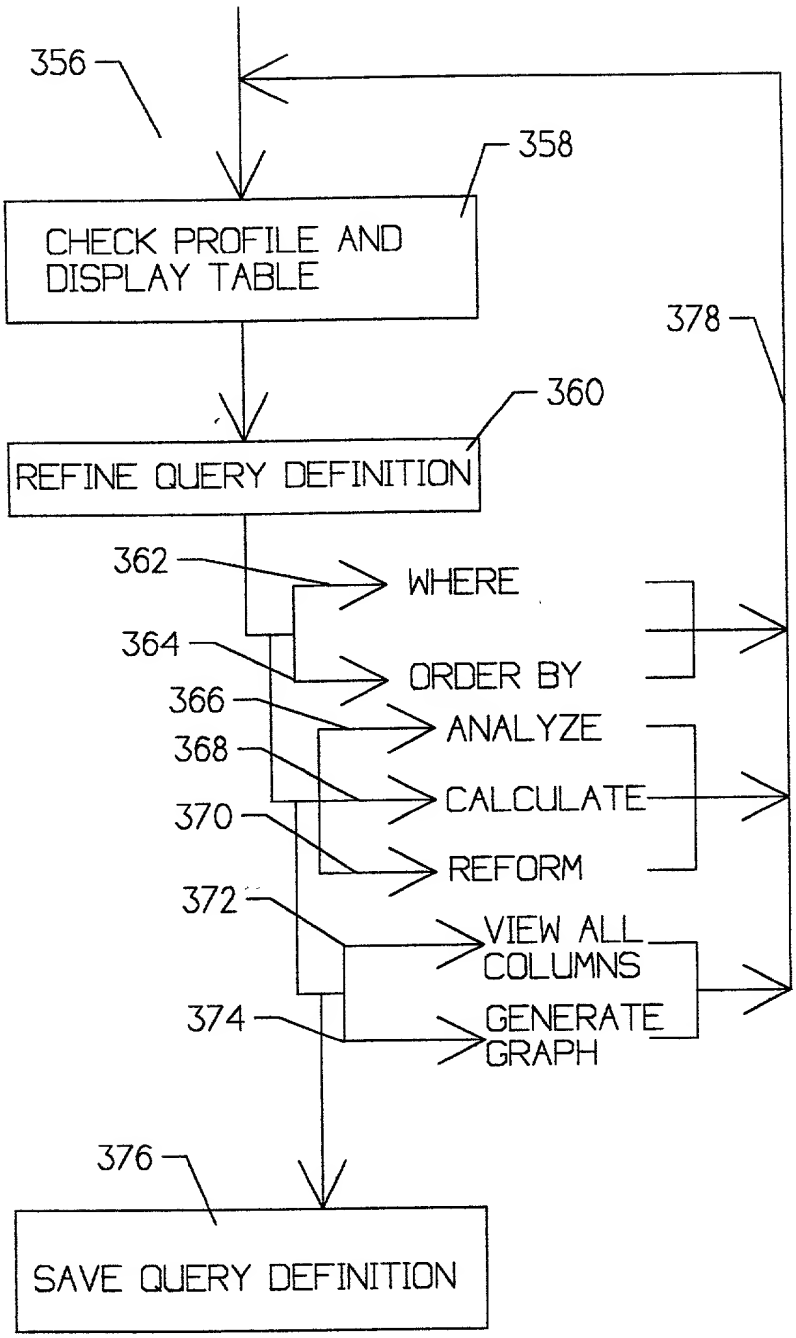
356
358
CHECK PROFILE AND DISPLAY TABLE
378
360
REFINE QUERY DEFINITION
362
WHERE
364
ORDER BY
366
ANALYZE
368
CALCULATE
370
REFORM
372
VIEW ALL COLUMNS
374
GENERATE GRAPH
376
SAVE QUERY DEFINITION

FIG. 12

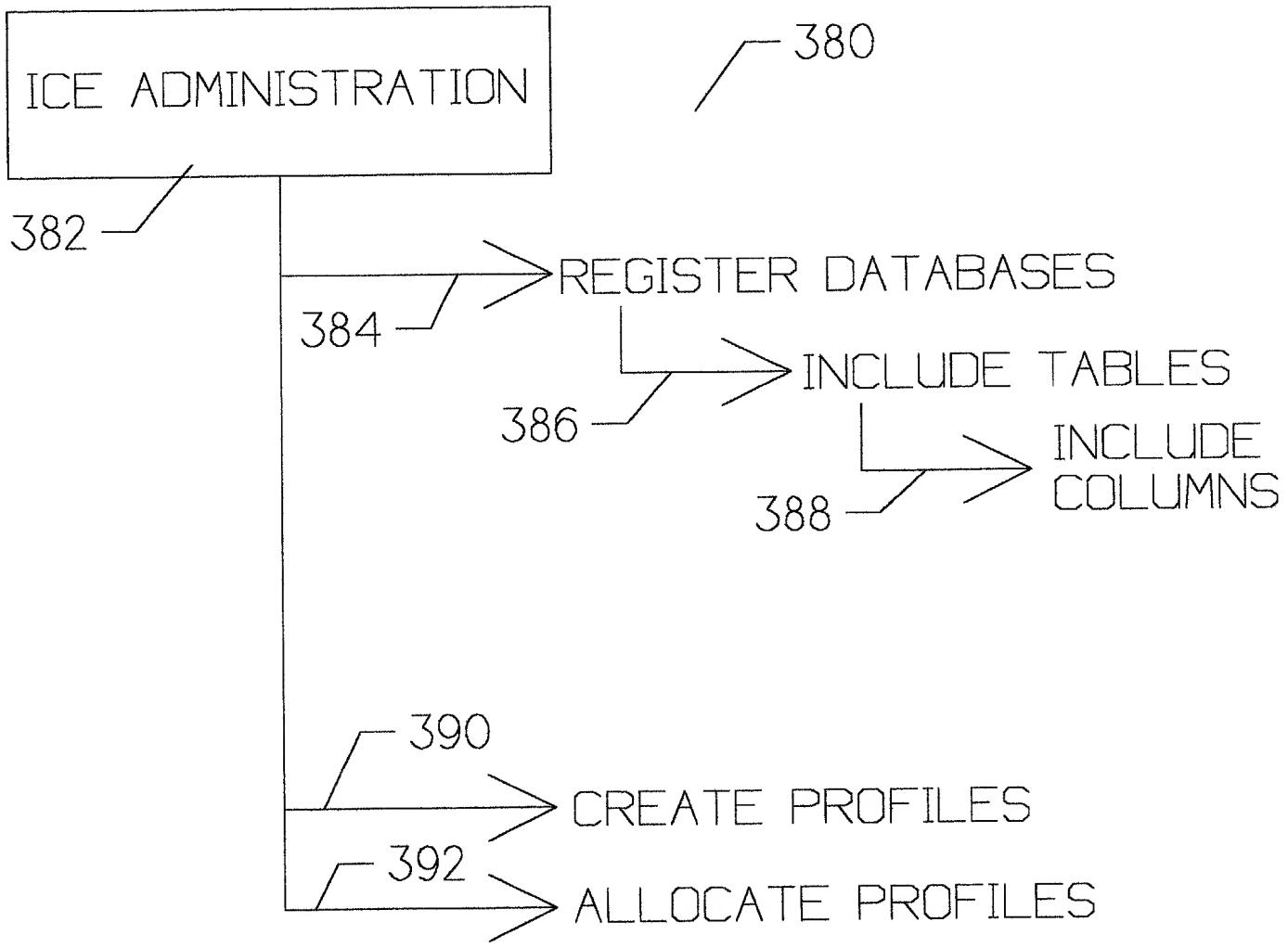
ICE ADMINISTRATION
380
382
REGISTER DATABASES
384
INCLUDE TABLES
386
INCLUDE COLUMNS
388
390
CREATE PROFILES
392
ALLOCATE PROFILES

FIG. 13

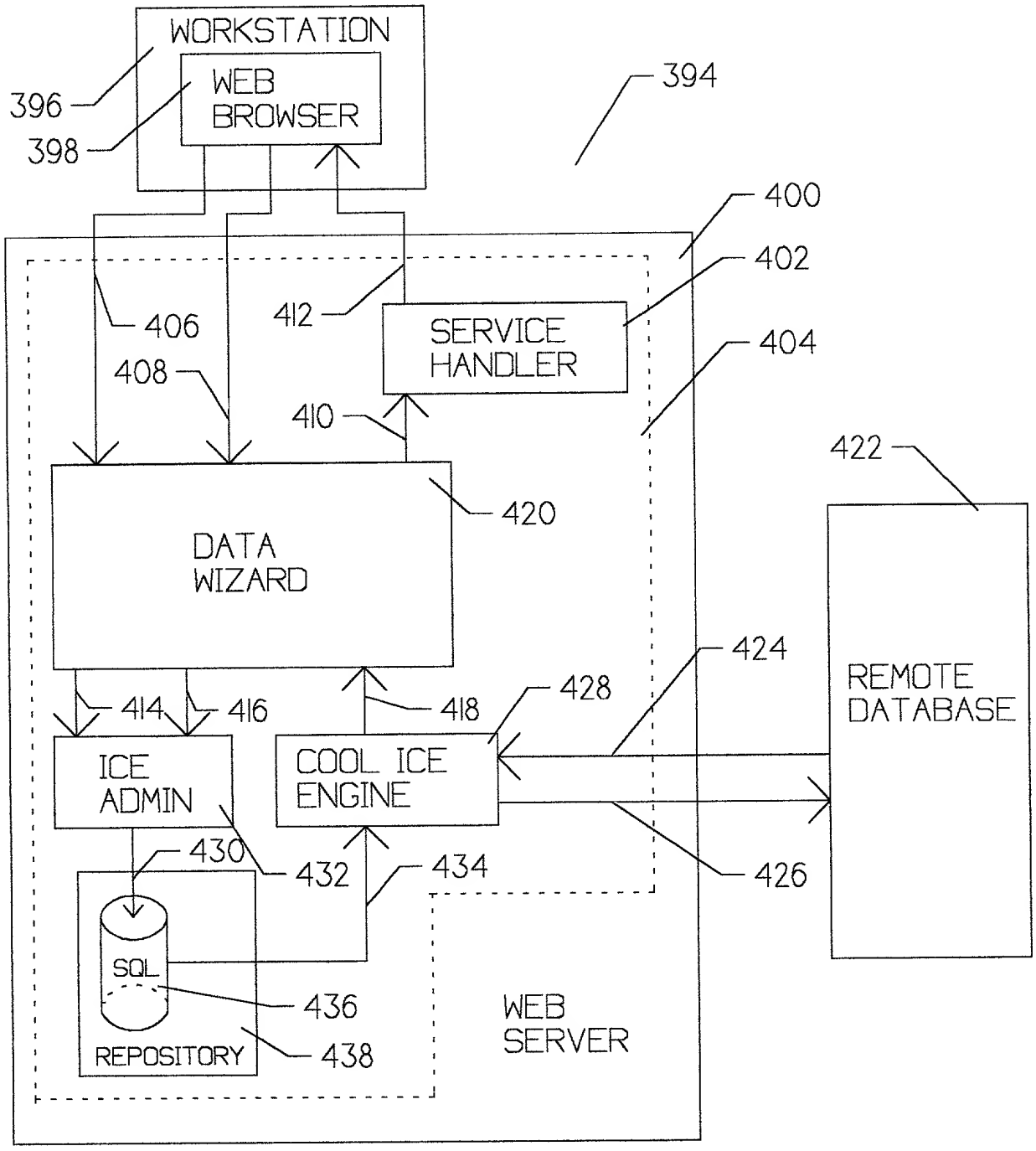
WORKSTATION
WEB BROWSER
396
398
394
400
402
404
406
408
412
SERVICE HANDLER
410
422
420
DATA WIZARD
REMOTE DATABASE
424
428
414
416
418
ICE ADMIN
COOL ICE ENGINE
430
432
434
426
SQL
436
WEB SERVER
REPOSITORY
438

FIG. 14

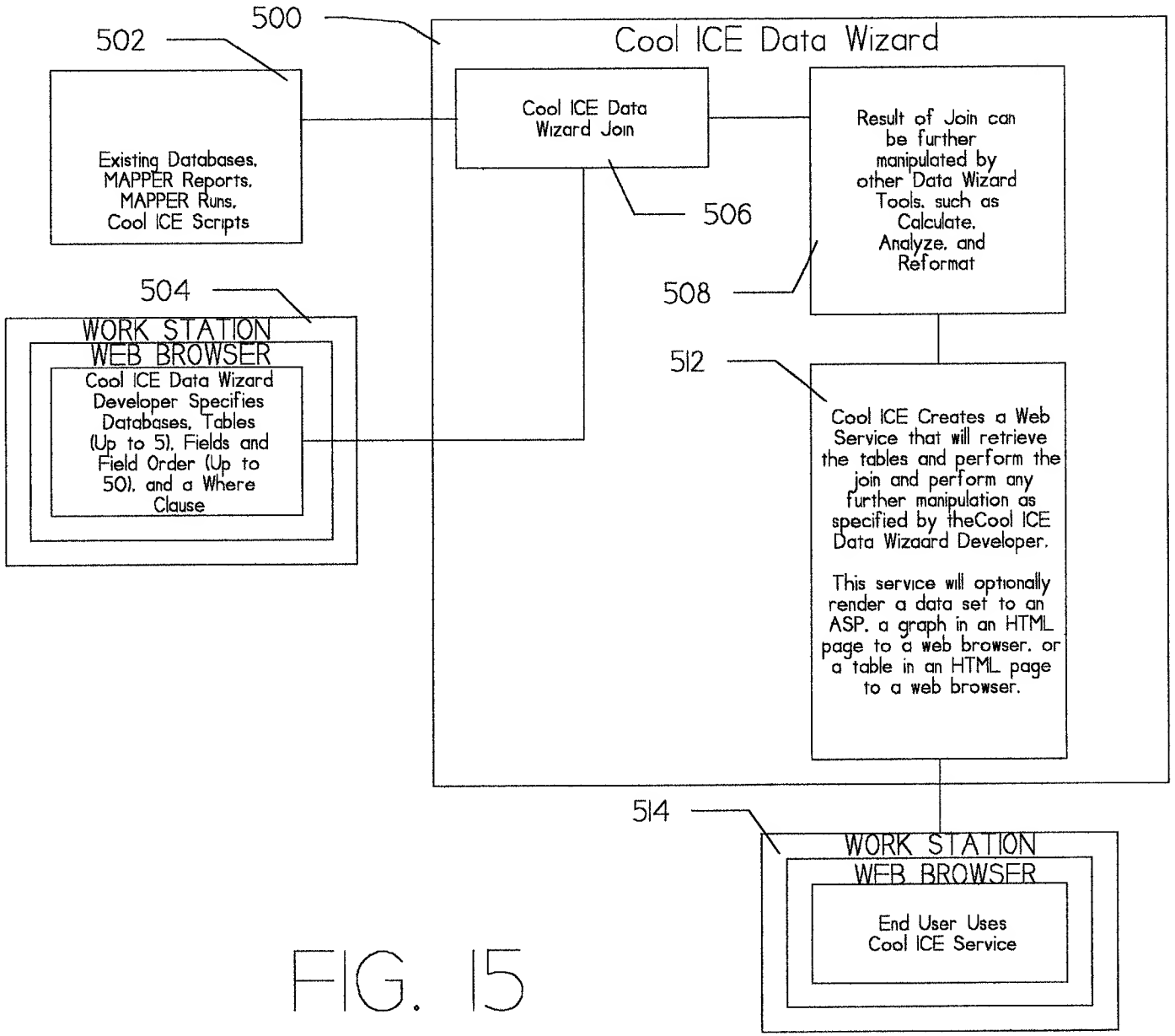
500
Cool ICE Data Wizard
502
Existing Databases,
MAPPER Reports,
MAPPER Runs,
Cool ICE Scripts
Cool ICE Data
Wizard Join
506
Result of Join can
be further
manipulated by
other Data Wizard
Tools, such as
Calculate,
Analyze, and
Reformat
508
504
WORK STATION
WEB BROWSER
Cool ICE Data Wizard
Developer Specifies
Databases, Tables
(Up to 5), Fields and
Field Order (Up to
50), and a Where
Clause
512
Cool ICE Creates a Web
Service that will retrieve
the tables and perform the
join and perform any
further manipulation as
specified by theCool ICE
Data Wizaard Developer.
This service will optionally
render a data set to an
ASP, a graph in an HTML
page to a web browser, or
a table in an HTML page
to a web browser.
514
WORK STATION
WEB BROWSER
End User Uses
Cool ICE Service

FIG. 15

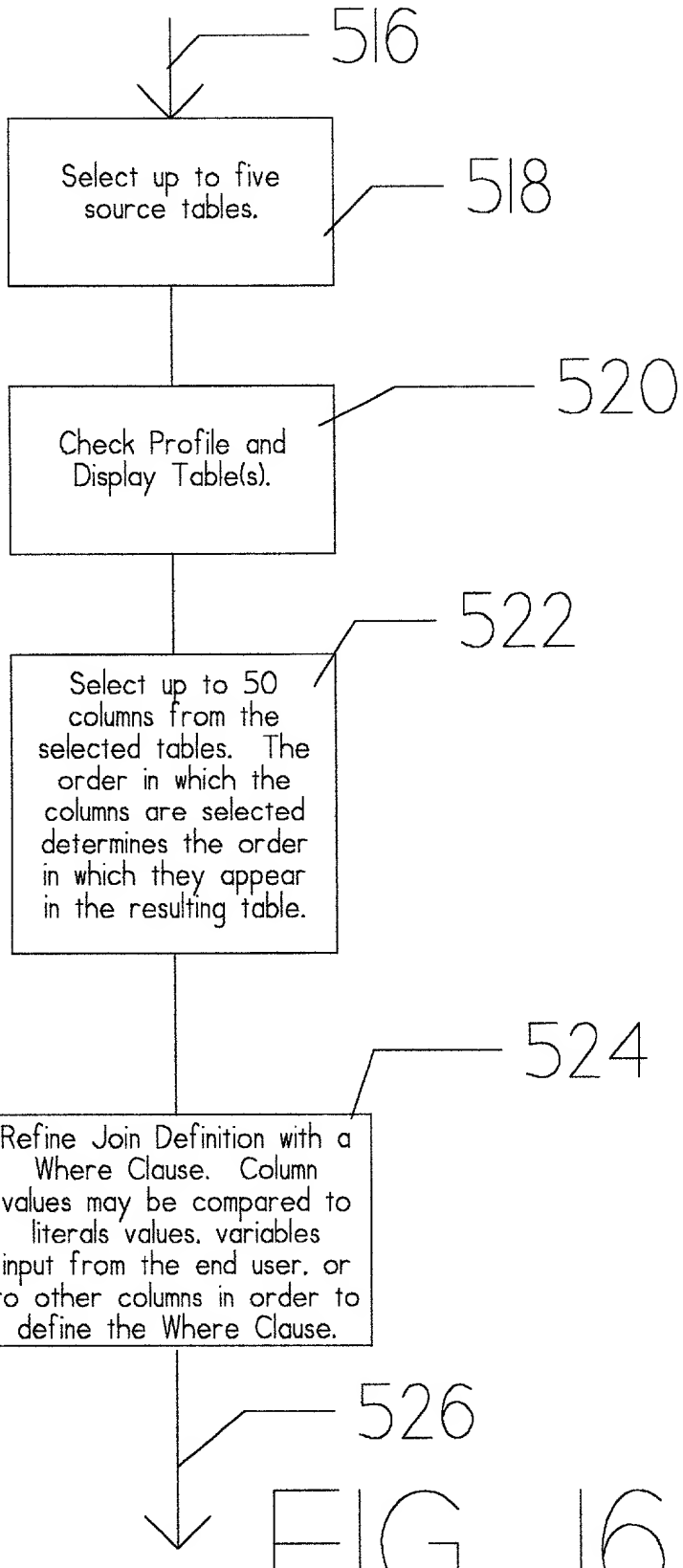
516
Select up to five source tables.
518
Check Profile and Display Table(s).
520
Select up to 50 columns from the selected tables. The order in which the columns are selected determines the order in which they appear in the resulting table.
522
Refine Join Definition with a Where Clause. Column values may be compared to literals values, variables input from the end user, or to other columns in order to define the Where Clause.
524
526

FIG. 16

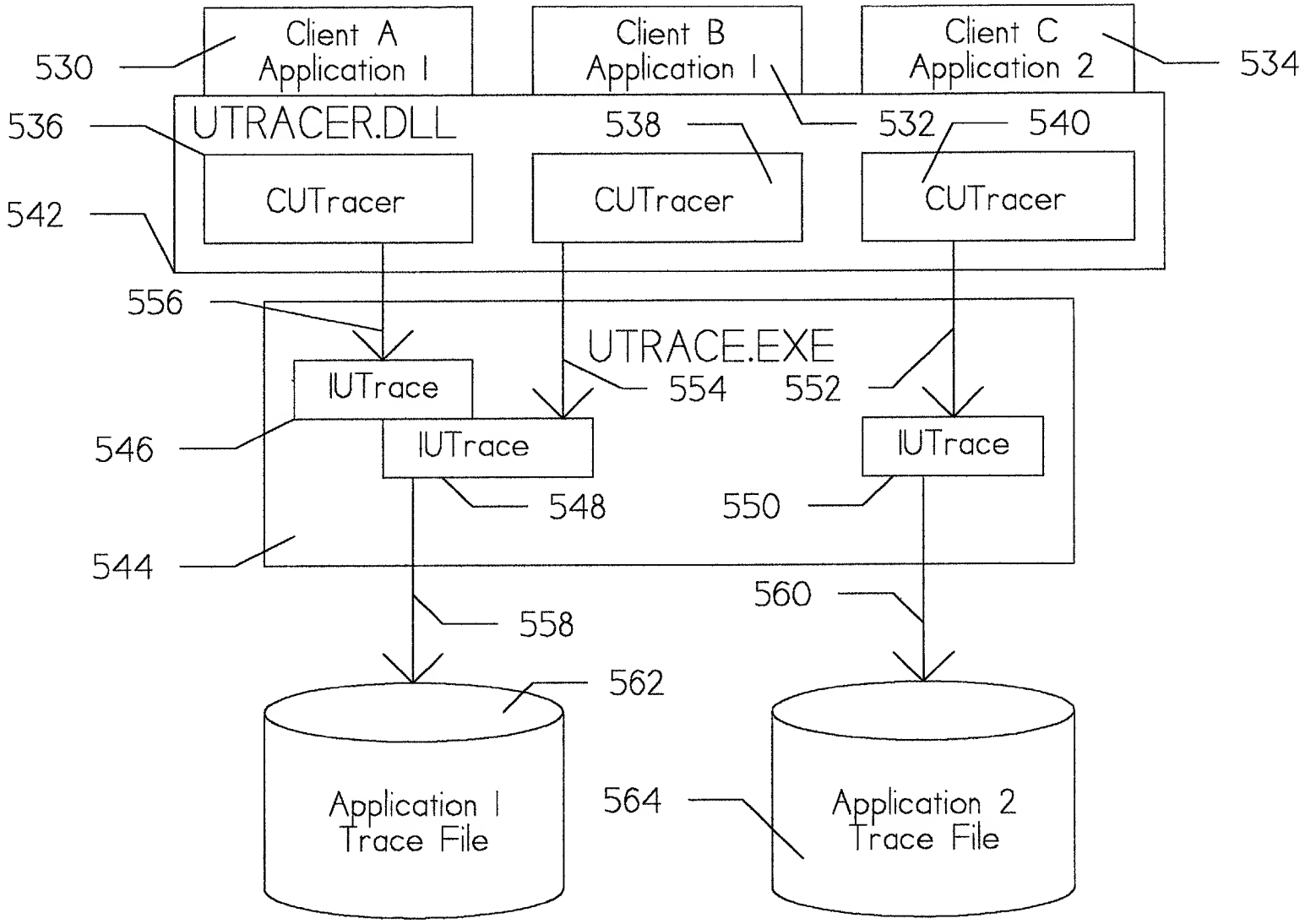
Client A
Application 1
Client B
Application 1
Client C
Application 2
530
534
536
UTRACER.DLL
538
532
540
CUTracer
CUTracer
CUTracer
542
556
UTRACE.EXE
IUTrace
554
552
546
IUTrace
IUTrace
548
550
544
560
558
562
Application 1
Trace File
564
Application 2
Trace File

FIG. 17

HKLM\SOFTWARE\UNISYS\UTRACE

APPNAME -- Subkey matching the name of the application

565

ENABLETRACE	-- DWORD value indication a Boolean (1=trace., 0=no trace).
MAXENTRIES	-- DWORD value indicating the maximum number of entries in the trace file. If missing. then no upper limit is imposed.
FORMATFLAGS	-- DWORD value indicating message formatting flags.
POLICYFLAGS	-- DWORD value indicating trace policy flags set for the application.
TRACELEVEL	-- DWORD value indicating a trace level. 0 = no trace.
TRACEPATH	-- String value indicating the directory path for the trace files.
REGTRACE	-- A string value containing the HKLM\Software sub key to trace for this application. Blank or missing for no registry trace.
COMPONENT	-- A subkey for a specific component of the application.

POLICYFLAGS	-- Value indicating component level trace policy flags
TRACELEVEL	-- DWORD Value indicating a trace level. 0 = no trace.
VERSIONTRACE	-- String value specifying executable component name for version information tracing.

FIG. 18

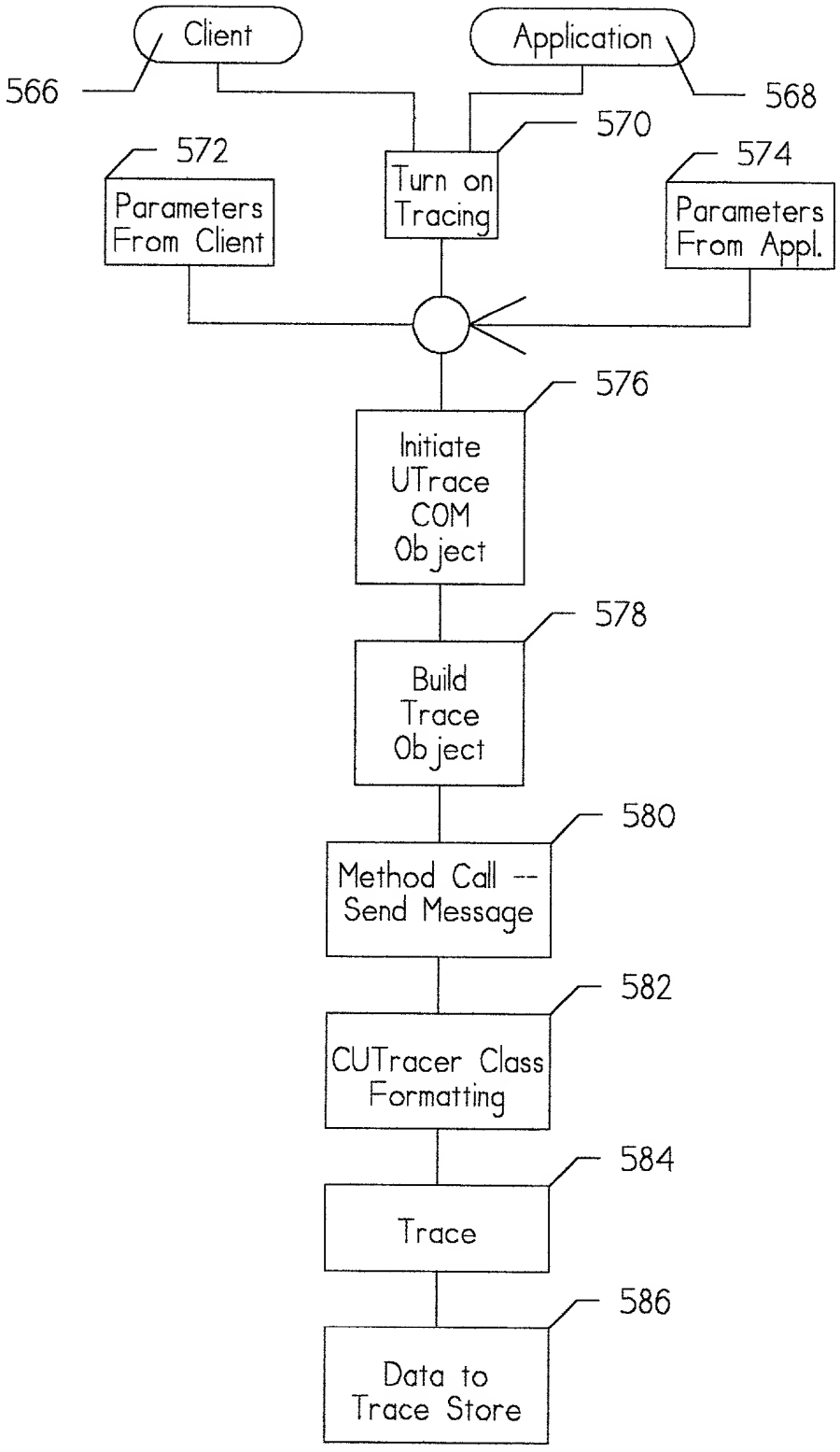
Client
Application
566
568
570
572
574
Turn on Tracing
Parameters From Client
Parameters From Appl.
576
Initiate UTrace COM Object
578
Build Trace Object
580
Method Call -- Send Message
582
CUTracer Class Formatting
584
Trace
586
Data to Trace Store

FIG. 19

```
#define CI_TRACE_VERSION        0x1
#define CI_TRACE_ERROR          0x2
#define CI_TRACE_INTERFACE      0x4
#define CI_TRACE_FLOW           0x8
#define CI_TRACE_DETAIL         0x10
```

FIG. 20A

```
if (m_trace. Active(C)_TRACE_DETAIL))
m_trace<<"MY Detailed Trace information"<<Localvariable<<traceit
```

FIG. 20B

Redacted - Classified

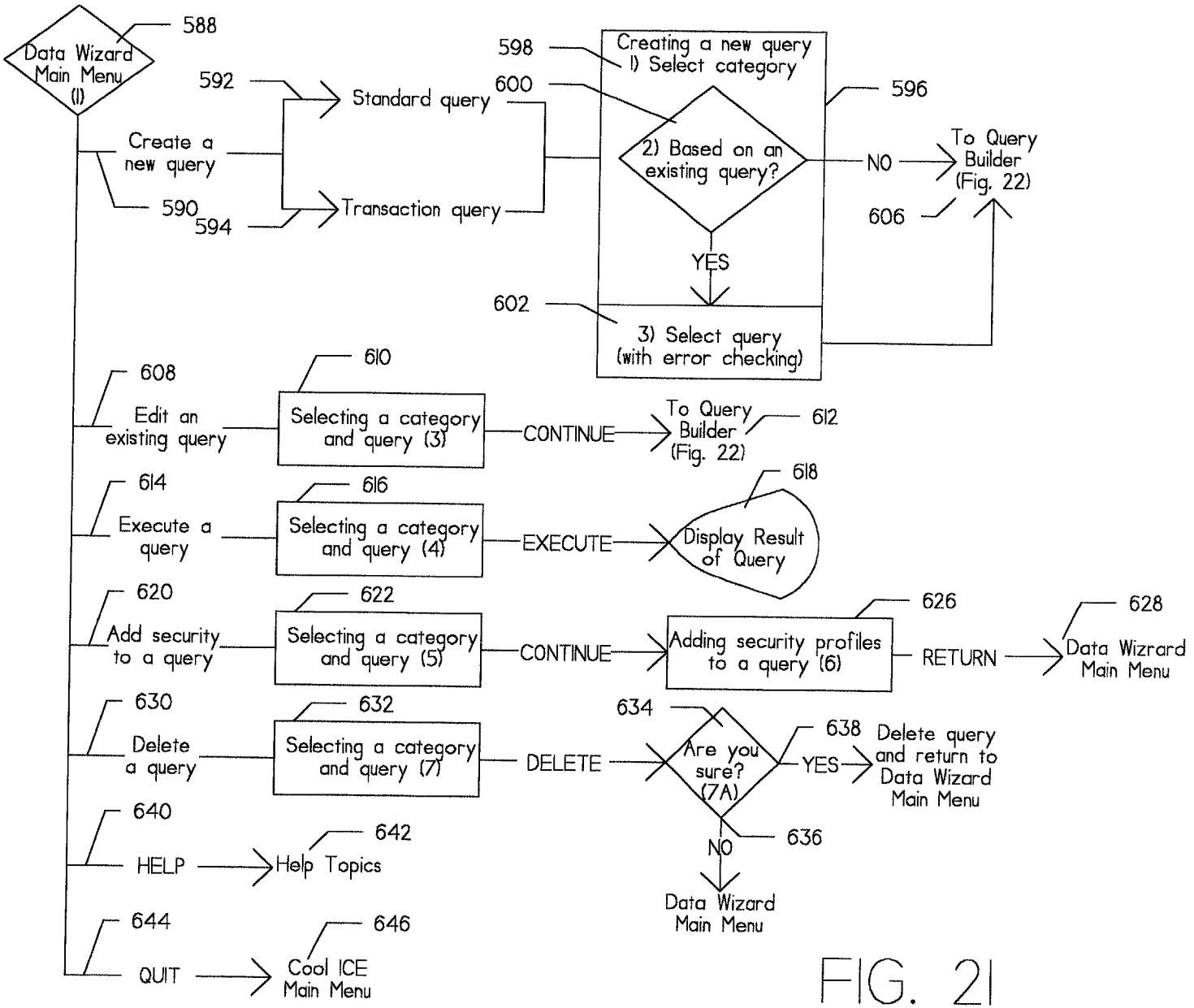

FIG. 21

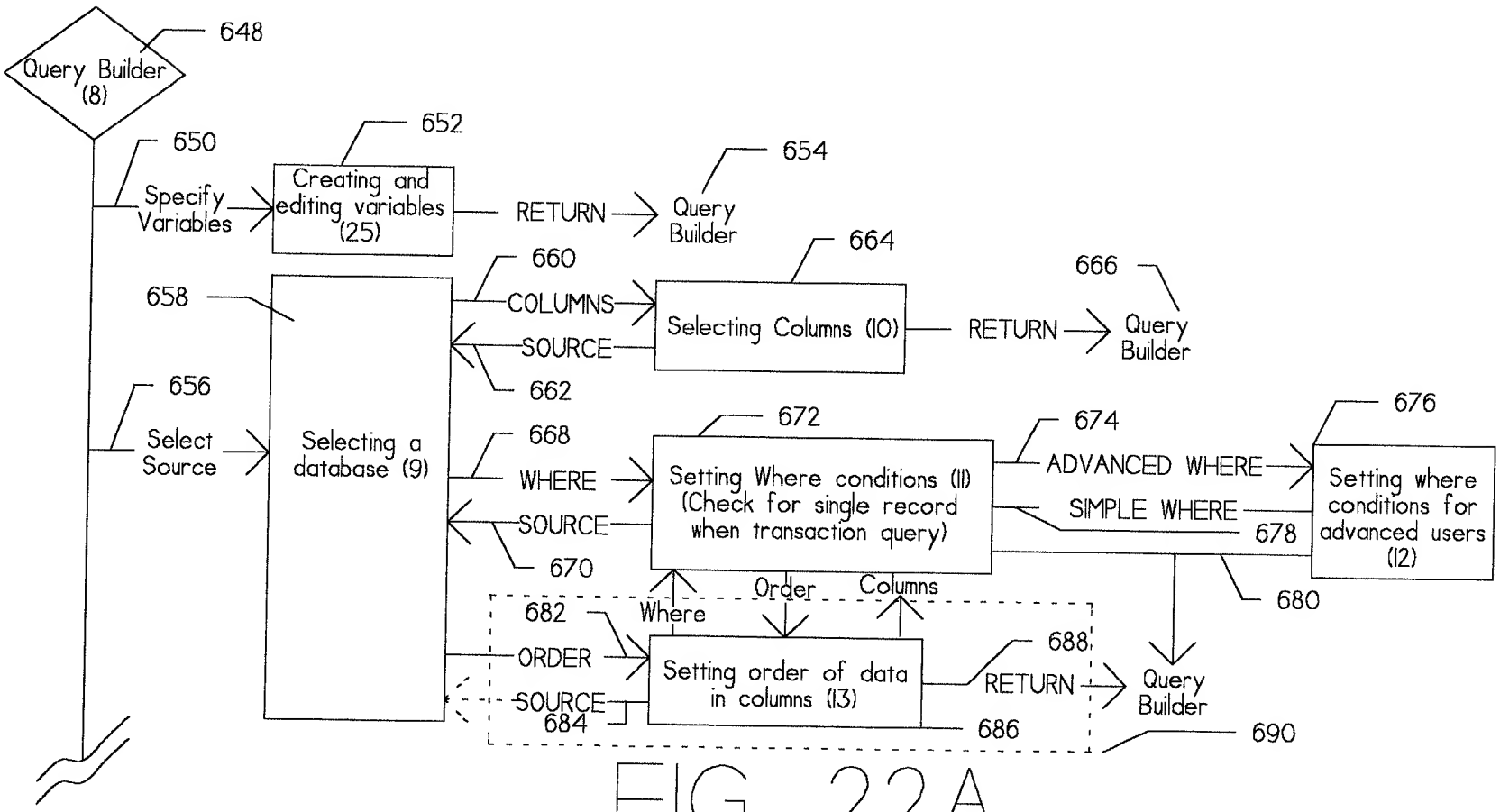
Query Builder (8)
648
650
Specify Variables
652
Creating and editing variables (25)
RETURN
654
Query Builder
656
Select Source
658
Selecting a database (9)
660
COLUMNS
SOURCE
662
664
Selecting Columns (10)
RETURN
666
Query Builder
668
WHERE
SOURCE
670
672
Setting Where conditions (11) (Check for single record when transaction query)
674
ADVANCED WHERE
SIMPLE WHERE
678
676
Setting where conditions for advanced users (12)
680
Where
Order
Columns
682
ORDER
SOURCE
684
Setting order of data in columns (13)
686
688
RETURN
Query Builder
690

FIG. 22A

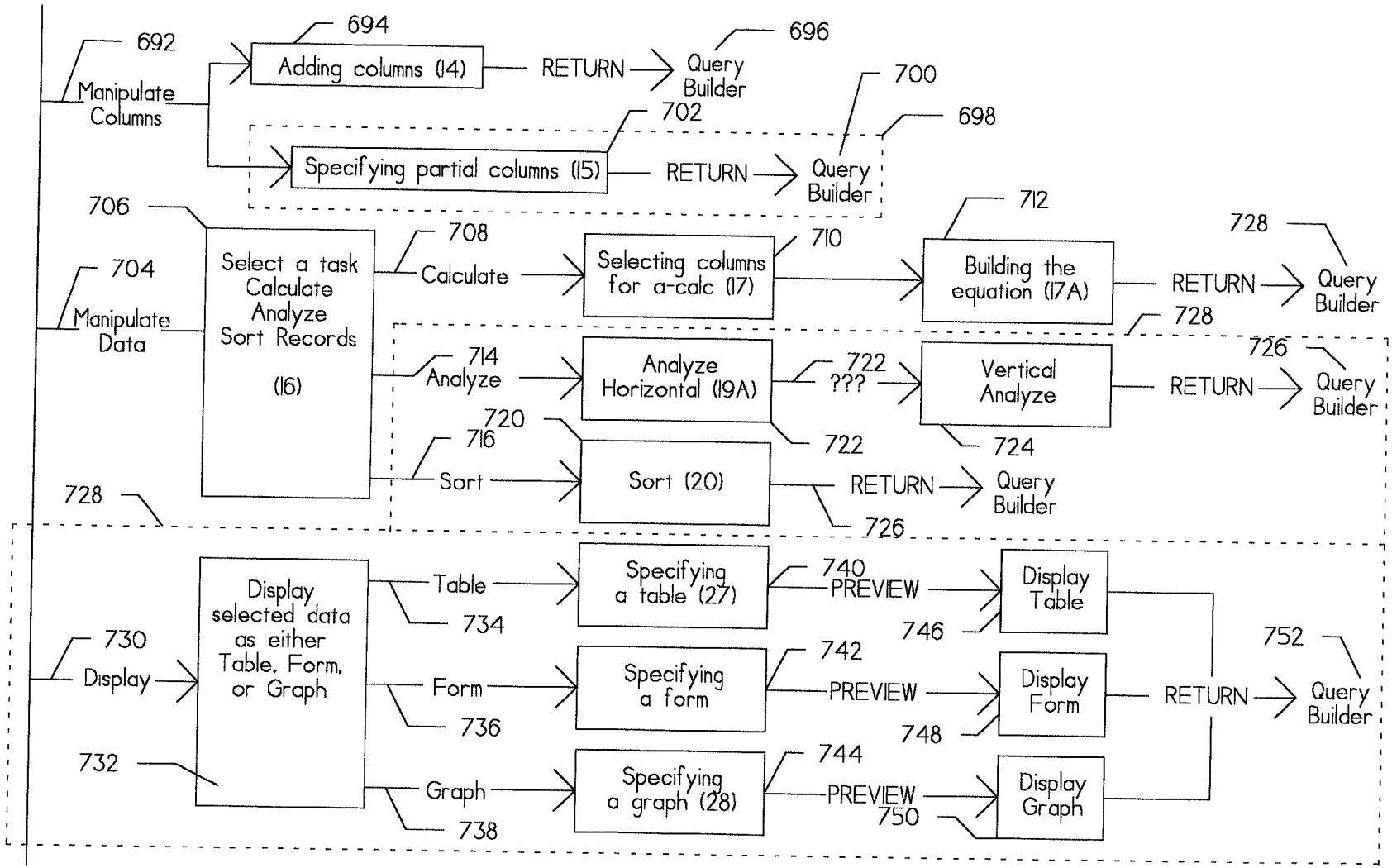
692
Manipulate Columns
694
Adding columns (14)
RETURN
696
Query Builder
700
698
702
Specifying partial columns (15)
RETURN
Query Builder
706
704
Manipulate Data
Select a task
Calculate
Analyze
Sort Records
(16)
708
Calculate
Selecting columns for a-calc (17)
710
712
Building the equation (17A)
RETURN
728
Query Builder
728
714
Analyze
Analyze Horizontal (19A)
722
???
Vertical Analyze
RETURN
726
Query Builder
720
716
Sort
Sort (20)
722
724
RETURN
Query Builder
726
728
730
Display
Display selected data as either Table, Form, or Graph
732
Table
734
Specifying a table (27)
740
PREVIEW
746
Display Table
Form
736
Specifying a form
742
PREVIEW
748
Display Form
RETURN
752
Query Builder
Graph
738
Specifying a graph (28)
744
PREVIEW
750
Display Graph

FIG. 22B

Microsoft Exhibit

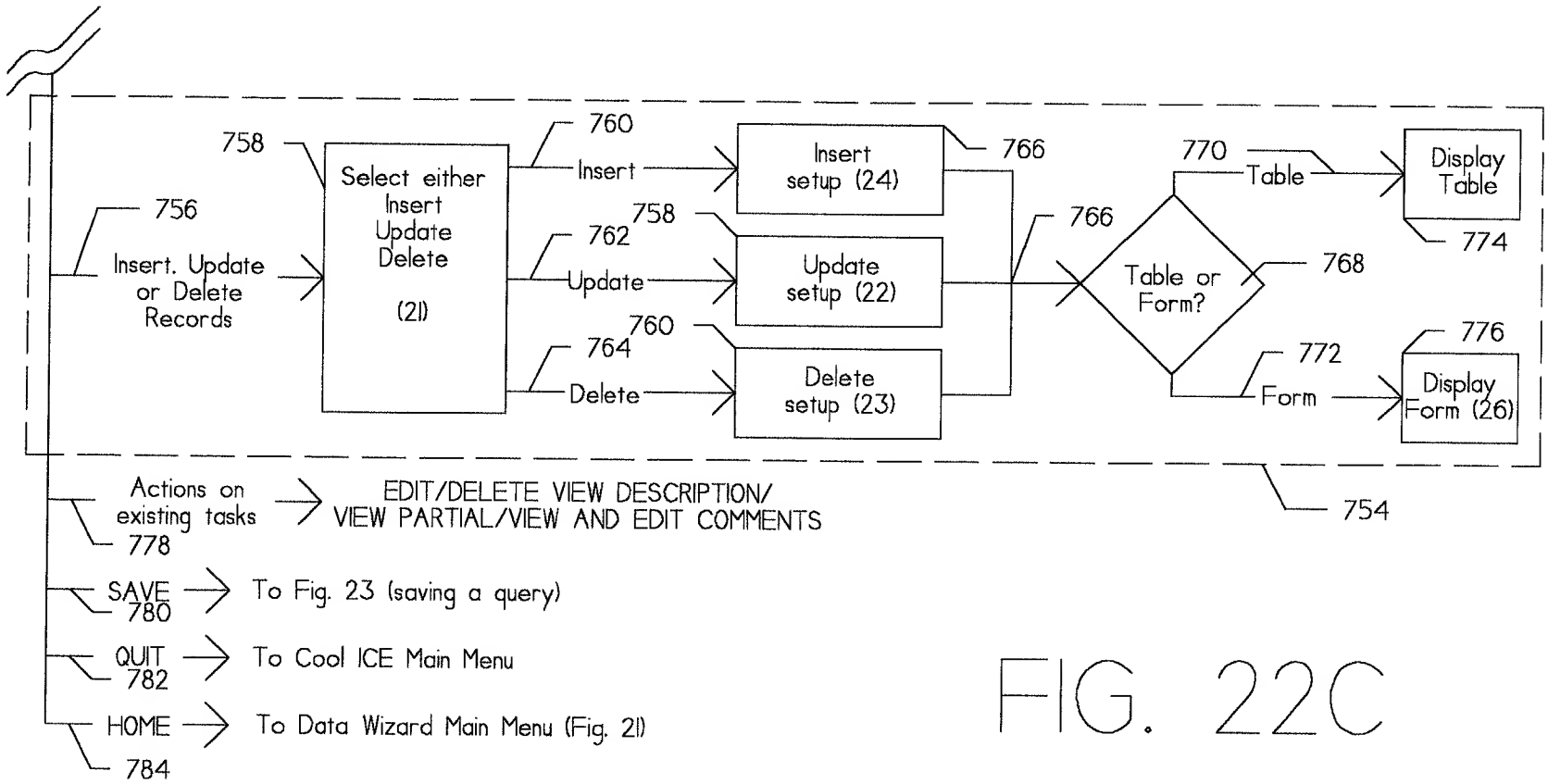

FIG. 22C

DOCKET ALARM

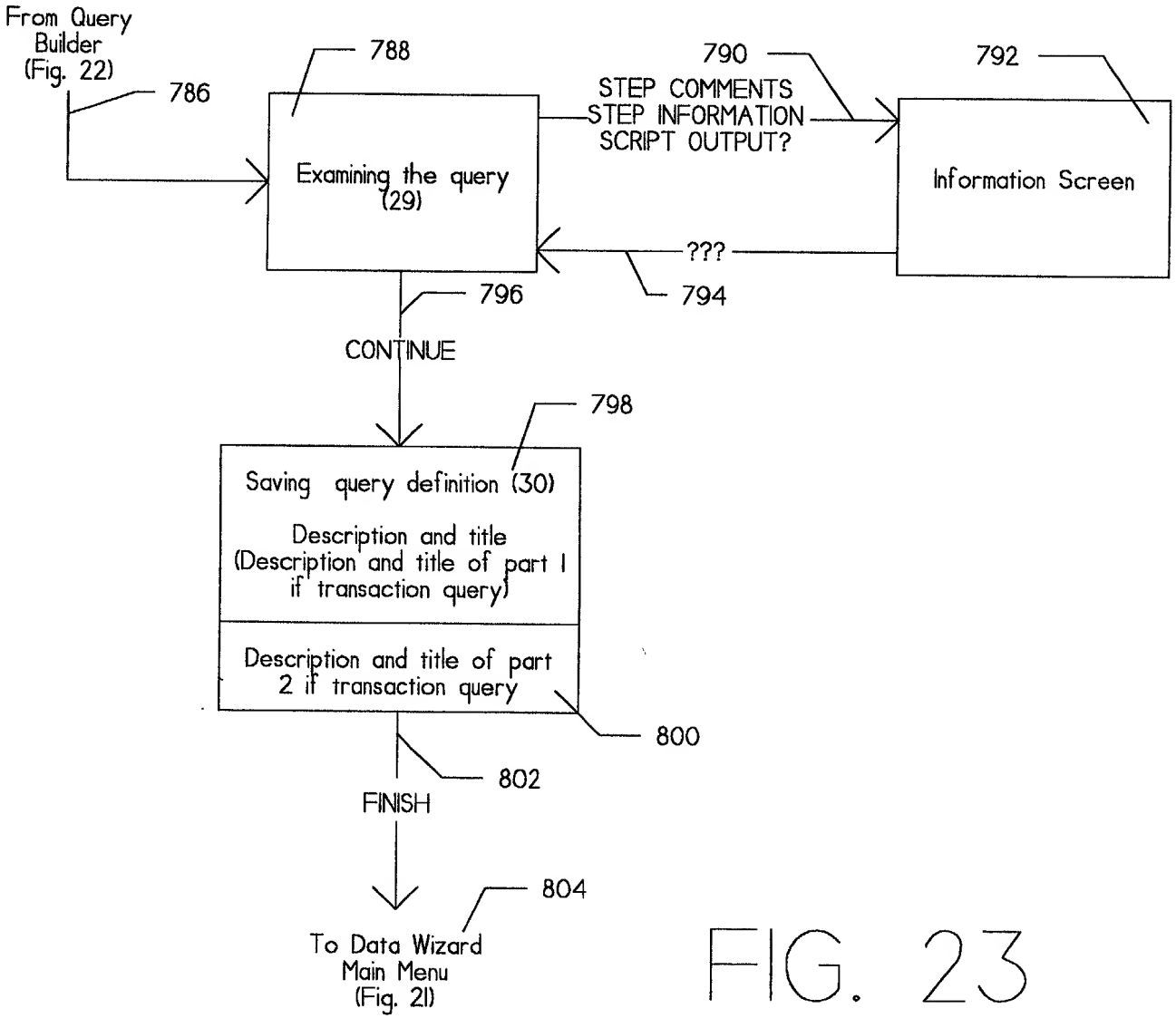

FIG. 23

Redacted Redacted

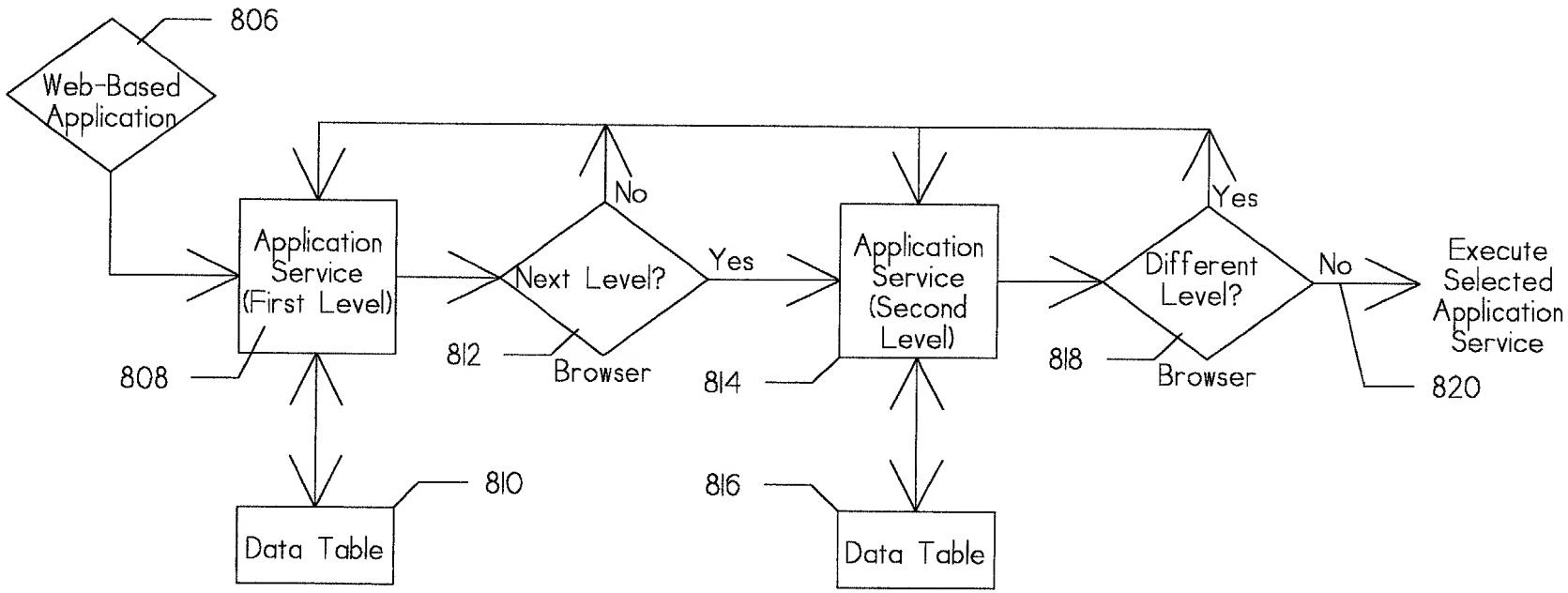

FIG. 24

Docket Redacted

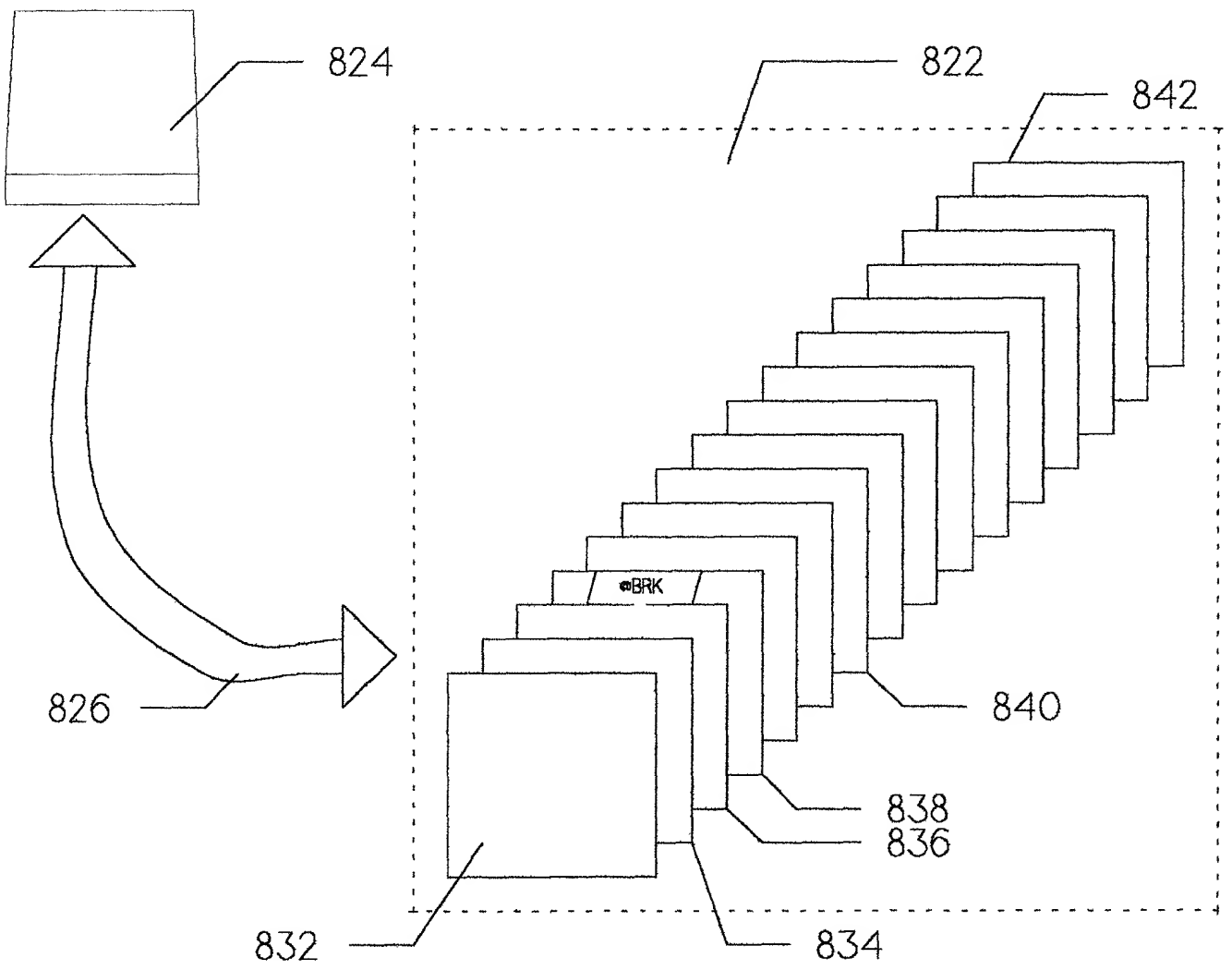

FIG. 25

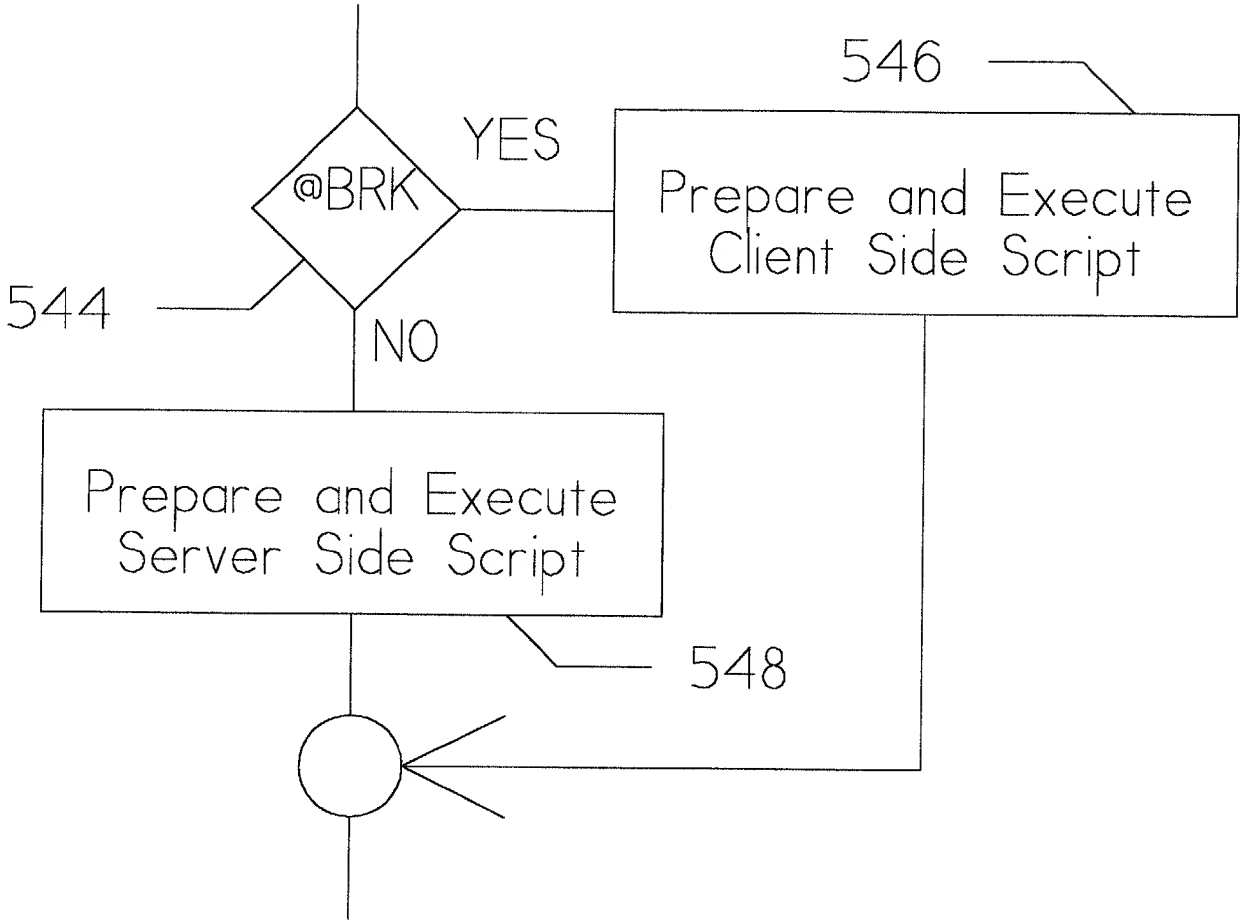
546
YES
@BRK
Prepare and Execute
Client Side Script
544
NO
Prepare and Execute
Server Side Script
548

FIG. 26